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<http://www.trcelectronics.com>*Contact TRC for pricing,
availability, and technical
assistance.*Z Series DC-DC converter designed
for small size and high reliability

- Isolated between input- output
- Built- in overcurrent protection circuit
- Small and compact size
- Two- year warranty

ORDERING INFORMATION**ZS30512**

Output voltage
Input voltage
Output wattage
Single output
Series name

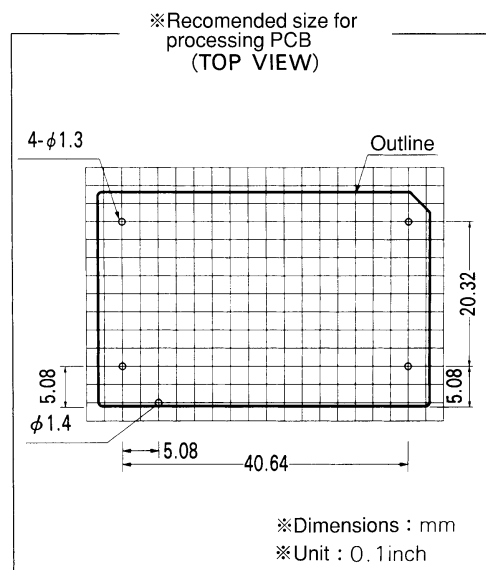
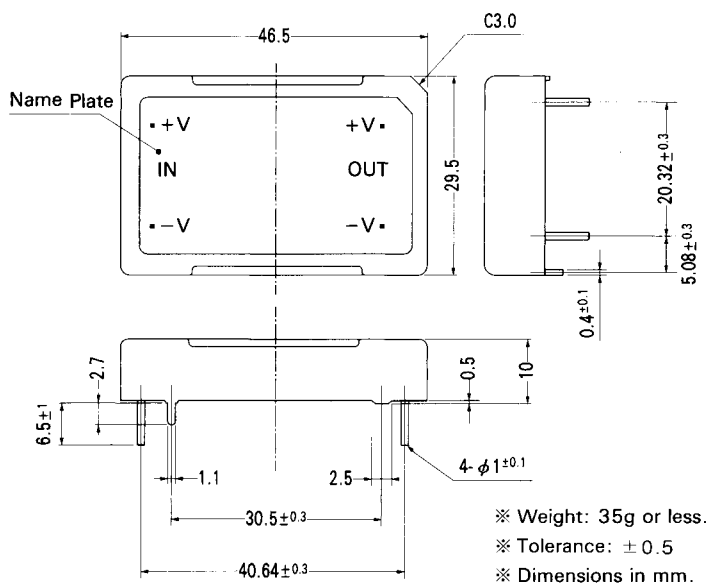
SPECIFICATIONS

	MODEL	ZS30505	ZS30512	ZS30515	ZS31205	ZS31212	ZS31215	ZS32405	ZS32412	ZS32415	ZS34805	ZS34812	ZS34815
INPUT	VOLTAGE [V]	5 (4.5 ~ 6.0)			12 (10 ~ 15)			24 (20 ~ 30)			48 (35 ~ 63)		
	EFFICIENCY [%]	65 typ			65 typ	70 typ		70 typ	74 typ		70 typ		
OUTPUT	VOLTAGE [V]	5	12	15	5	12	15	5	12	15	5	12	15
	CURRENT [A]	0.5	0.25	0.2	0.5	0.25	0.2	0.5	0.25	0.2	0.5	0.25	0.2
	LINE REGULATION [mV]	25max	60max	75max	25max	60max	75max	25max	60max	75max	25max	60max	75max
	LOAD REGULATION [mV]	50max	120max	150max	50max	120max	150max	50max	120max	150max	50max	120max	150max
	RIPPLE [mVp-p]	100max	120max		100max	120max		100max	120max		100max	120max	
	RIPPLE NOISE [mVp-p]	120max			120max			120max			120max		
	TEMPERATURE COEFFICIENT 0~+50℃ [mV]	50max	120max	150max	50max	120max	150max	50max	120max	150max	50max	120max	150max
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	±5max(Rated input/ output, Ta=25°)											
ISOLATION	INPUT,OUTPUT,CASE	Works over 105% of rating and recovers automatically											
ENVIRONMENT	OPERATING TEMP. AND HUMID.	AC500V, 1 minute, Cutoff current=10mA, DC500V, 50M Ω min.(At Room Temperature)											
	STORAGE TEMP. AND HUMID.	- 10 ~ + 60 [°] , 20 ~ 90% RH(Non condensing) (Refer to DERATING CURVE)											
	VIBRATION	- 20 ~ + 75 [°] , 20 ~ 90% RH(Non condensing)											
	IMPACT	10 ~ 55Hz, 2G, 3 minutes period, 30 minutes along X, Y and Z axis											
		50G, 11mS, once each X,Y and Z axis											

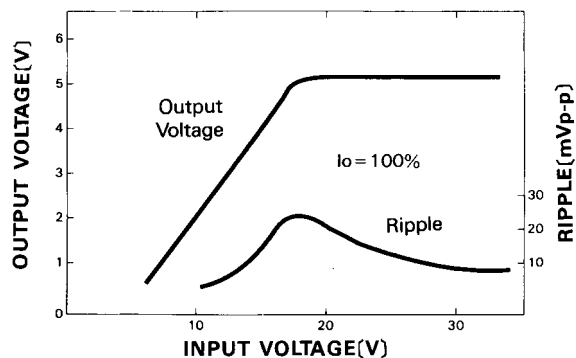
|| Parallel operation with other model is not possible.

MODEL	ZS3				ZS3				ZS3			
	0505	1205	2405	4805	0512	1212	2412	4812	0515	1215	2415	4815
MAX OUTPUT WATTAGE	2.5 W				3.0 W				3.0 W			
DC OUTPUT VOLTAGE	5 V				12 V				15 V			
DC OUTPUT CURRENT	0.5 A				0.25 A				0.2 A			

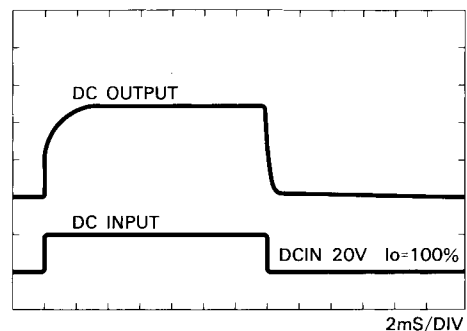
EXTERNAL VIEW



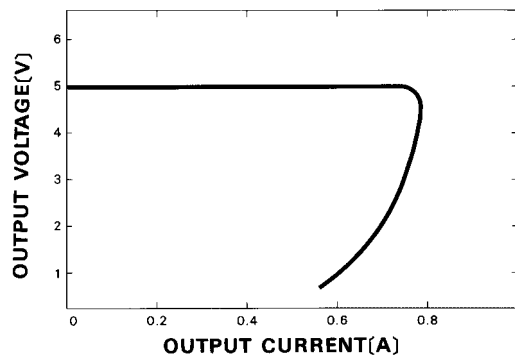
STATIC CHARACTERISTICS (ZS32405)



RISE TIME & FALL TIME (ZS32405)



OVERCURRENT CHARACTERISTICS (ZS32405)



DERATING CURVE

